

CORRECTED
VERSION*

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

09830045 012302



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁷ : C12Q 1/68	A1	(11) International Publication Number: WO 00/23624 (43) International Publication Date: 27 April 2000 (27.04.00)
(21) International Application Number: PCT/US99/24695 (22) International Filing Date: 21 October 1999 (21.10.99) (30) Priority Data: 60/105,262 22 October 1998 (22.10.98) US (71) Applicant (for all designated States except US): DUKE UNIVERSITY [US/US]; 230 North Building, Research Drive, P.O. Box 90083, Durham, NC 27712 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): <u>BOUSTANY</u> , Rose-Mary, N. [US/US]; 103 Pinecrest Road, Durham, NC 27705 (US). <u>GUO</u> , Wei-Xing [CA/US]; 889 Louise Circle, Durham, NC 27705 (US). <u>AMALEFITANO</u> , Andrea [US/US]; 3305 Middlebrook Court, Durham, NC 27705 (US). (74) Agents: SIBLEY, Kenneth, D. et al.; Myers, Bigel, Sibley, & Sajovec, P.A., P.O. Box 37428, Raleigh, NC 27627 (US).		(81) Designated States: AU, CA, JP, US, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>
(54) Title: METHODS OF SCREENING FOR RISK OF PROLIFERATIVE DISEASE AND METHODS FOR THE TREATMENT OF PROLIFERATIVE DISEASE		
(57) Abstract A method of screening a subject for a proliferative disease risk factor comprises detecting the presence or absence of upregulation of the <i>CLN3</i> gene in the subject. The upregulation of the <i>CLN3</i> gene in the subject indicates the subject is at increased risk of developing a proliferative disease. Methods of screening compounds for the treatment of proliferative diseases based on the <i>CLN3</i> gene and its product are also disclosed, along with methods of treating such diseases and vectors useful therefore.		